

There are many other interesting animals living in this pond, but I must defer noticing them till another opportunity. I would, however, mention that *Lepidurus (Apus) kirkii* was very plentiful during August and the early part of September, but it has now disappeared, and a large reddish-brown *Hydra* has made its appearance and affords me much amusement in observing its curious method of increase.

ART. XXXIX.—*List of Marine Mollusca found in the neighbourhood of Wellington.* By T. W. KIRK, Assistant in the Colonial Museum.

[Read before the Wellington Philosophical Society, 21st February, 1880.]

IN the author's preface to the new Manual of New Zealand Mollusca, just published by the Colonial Museum and Geological Survey Department, the following passage occurs:—"Much still remains to be done towards working out the geographical distribution of the species; and lists would be particularly valuable from Napier, Taranaki, *Wellington*, Nelson, Hokitika, and Banks Peninsula."

Since reading the above-quoted passage, I have carefully examined the large collections contained in the Colonial Museum, and also the private cabinets of Mr. E. Butts, junr., Mr. H. B. Kirk, and Mr. Herbert, to all of whom my sincere thanks are due.

The results of this examination will be found in the following catalogue, which contains in all the names of 262 species and varieties, as follows:—

CEPHALOPODA—7	GASTEROPODA—163
SCAPHOPODA—2	LAMELLIBRANCHIATA—84
BRACHIOPODA—6	

This number will probably, ere long, be greatly increased, as no attempt worthy of the name has yet been made to dredge this part of the coast.

Where a species which has no Wellington representative in the Colonial Museum occurs in a private cabinet, the initials of the collector are appended.

For the purposes of this paper, I shall consider the neighbourhood of Wellington to include not only the Harbour, but also that piece of coast between Pencarrow Head and Porirua Harbour.

It was my intention to have appended notes on the relative abundance of the various species, as also on observed phenomena connected with the growth of individual forms; but these must be reserved for a future occasion.

CEPHALOPODA.

<p>Octopus maorum, <i>Hutton.</i> Argonauta tuberculata, <i>Shaw.</i> Onychoteuthis bartlingii, <i>Lesueur.</i> Ommastrephes sloanii, <i>Gray.</i></p>	<p>Sepioteuthis bilineata, <i>Q. and G.</i> Sepia apama, <i>Gray</i> (broken shells). Spirula peronii, <i>Lam.</i></p>
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GASTEROPODA.

- Onchidella nigricans*, *Q. and G.*
Amplibola avellana, *Chem.*
Siphonaria australis, *Quoy.*
 " *sipho*, *Sow.*
 " *obliquata*, *Sow.*
Gadinea nivea, *Hutton.*
Acus kirki, *Hutton.*
Pleurotoma albula, *Hutton.*
Drillia novæ-zealandiæ, *Reeve.*
Daphnella cancellata, *Hutton.*
Defranchia luteo-fasciata, *Reeve.*
Murex zealandicus, *Quoy.*
 " *angasi*, *Crosse.*
 " *octogonus*, *Quoy.*
Trophon ambiguus, *H. and J.*
 " *stangeri*, *Gray.*
 " *incisus*, *Gould.*
 " *inferus*, *Hutton.*
 " *paivæ*, *Crosse.*
Fusus spiralis, *Adams.*
Neptuncea zealandica, *Quoy.*
 " *caudata*, *Q. and G.*
 " *dilatata*, *Quoy.*
 " *nodosa*, *Martyn.*
 " " *var. B.*
 " " " *C.*
 " *traversi*, *Hutton* (small).
Euthria lineata, *Chem.*
 " " *var. C.*
 " *littorinoides*, *Reeve.*
 " *martensiana*, *Hutton.*
Cominella maculata, *Martyn.*
 " *testudinea*, *Chem.*
 " *nassoides*, *Reeve.*
 " *lineolata*, *Lam.*
 " *funerea*, *Gould.*
Purpura haustum, *Martyn.*
Polytropa textiliosa, *Lam.*
 " *succincta*, *Lam.*
 " *striata*, *Martyn.*
 " *qoyi*, *Reeve.*
 " *scobina*, *Q. and G.*
Ancillaria australis, *Sow.*
Coriocella ophione, *Gray.*
Mitra rubiginosa, *Hutton.*
Voluta pacifica, *Lam.*
 " " *var.*
 " *gracilis*, *Swainson.* (*E.B.*)
Marginella albescens, *Hutton.*
Erato lactea, *Hutton.*
Triton spengleri, *Chem.*
Ranella leucostoma, *Lam.*
 " *vexillum*, *Sow.*
- Cassia pyrum*, *Lam.*
Trivia australis, *Lam.*
 " *coccinella*, *Lam.*
Struthiolaria papulosa, *Martyn.*
 " " *var. B.*
 " " " *C.*
 " *australis*, *Gml.*
 " *inermis*, *Sow.*
Trichotropis inornata, *Hutton.*
Scalaria wellingtonensis, *sp. nov.*
Philippia lutea, *Lam.*
Ianthina comranis, *Lam.*
 " *iricolor*, *Reeves.*
 " *exigua*, *Lam.*
Natica zealandica, *Quoy.*
Chemnitzia zealandica, *Hutton.*
Obeliscus roseus, *Hutton.*
Odostomia lactea, *Angas.*
Eulima chathamensis, *Hutton.*
Cerithidea bicarinata, *Gray.*
 " *nigra*, *Q. and G.*
Bitium terebelloides, *v. Martens.*
Littorina cincta, *Quoy.*
 " *cærulescens*, *Lam.*
Fossarina varius, *Hutton.*
Rissoina plicata, *Hutton.*
 " *purpurea*, *Hutton.*
Barleeia rosea, *Hutton.*
 " *nana*, *Hutton.*
 " *impolita*, *Hutton.*
Turritella rosea, *Quoy.*
 " *fulminata*, *Hutton.*
Cladopoda zealandica, *Quoy.*
Siliquaria australis, *Quoy.*
Trochita scutum, *Lesson.*
 " *novæ-zealandiæ*, *Lesson.*
Crypta costata, *Deshayes.*
 " *monoxyla*, *Lesson.*
 " *unguiformis*, *Lam.*
Hipponyx australis, *Lam.* (*E.B.*)
Acmaea pileopsis, *Q. and G.*
 " *fragilis*, *Chem.*
Nerita atrata, *Lam.*
Turbo smaragdus, *Martyn.*
 " " *var. B.*
 " *granosus*, *Martyn.*
Calcar cookii, *Lam.*
 " *imperialis*, *Lam.*
Rotella zealandica, *H. and J.*
Anthora tuberculata, *Gray.*
 " *chathamensis*, *Hutton.*
 " *tiarata*, *Q. and G.*
Euchelus bellus, *Hutton.*

GASTEROPODA.—Continued.

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| Diloma aethiops, <i>Gml.</i> | Patella tramoserica, <i>Martyn.</i> |
| „ nigerrima, <i>Chem.</i> | „ stellularia, <i>Quoy.</i> |
| „ gaimardi, <i>Philippi.</i> | „ stellifera, <i>Chem.</i> |
| „ hectori, <i>Hutton. (H.B.K.)</i> | „ rubiginosa, <i>Hutton.</i> |
| Trochocochlea subrostrata, <i>Gray.</i> | Chiton pellis-serpentis, <i>Quoy.</i> |
| Zizyphinus punctulatus, <i>Martyn.</i> | „ sinclairi, <i>Gray.</i> |
| „ granatum, <i>Chem.</i> | „ concentricus, <i>Reeve.</i> |
| „ selectus, <i>Chem.</i> | „ glaucus, <i>Gray.</i> |
| „ cunninghami, <i>Gray.</i> | Lepidopleurus longicymbus, <i>De</i> |
| Cantharidus iris, <i>Gml.</i> | <i>Blainville.</i> |
| „ zealandicus, <i>Adams.</i> | Tonicia undulata, <i>Quoy.</i> |
| „ purpuratus, <i>Martyn.</i> | „ rubiginosa, <i>Hutton.</i> |
| „ huttoni, <i>Smith.</i> | Chætopleura nobilis, <i>Gray.</i> |
| Bankivia varians, <i>Beck.</i> | Plaxiphora biramosa, <i>Q. and G.</i> |
| Monilea egena, <i>Gould.</i> | Acanthochites zealandicus, <i>Q. and G.</i> |
| Gibbula sanguinea, <i>Gray.</i> | „ porphyreticus, <i>Reeve.</i> |
| „ simulata, <i>Hutton.</i> | „ ovatus, <i>Hutton.</i> |
| „ inconspicua, <i>Hutton.</i> | Cryptoconchus porosus, <i>Burrow.</i> |
| Margarita fulminata, <i>Hutton.</i> | Cylichna striata, <i>Hutton.</i> |
| Haliotis iris, <i>Martyn.</i> | Bulla quoyi, <i>Gray.</i> |
| „ rugoso-plicata, <i>Chem.</i> | Haminea obesa, <i>Low.</i> |
| „ gibba, <i>Philippi.</i> | Philine <i>sp.</i> |
| Emarginula striatula, <i>Quoy.</i> | Aplysia brunnea, <i>Hutton.</i> |
| Tugali parmophoidea, <i>Q. and G.</i> | „ venosa, <i>Hutton.</i> |
| Parmophorus unguis, <i>Lin.</i> | Aplysia tryoni, <i>Meinertzhagen.</i> |
| Patella inconspicua, <i>Gray.</i> | Pleurobranchæa novæ-zealandiæ, |
| „ reevei, <i>Hutton.</i> | <i>Cheeseman.</i> |
| „ affinis, <i>Reeve.</i> | Doris wellingtonensis, <i>Abraham.</i> |
| „ radians, <i>Gml.</i> | Phidiana longicauda, <i>Quoy.</i> |
| „ flava, <i>Hutton.</i> | |

SCAPHOPODA.

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| Dentalium huttoni, <i>sp. nov.</i> | Dentalium <i>sp.</i> (broken). |
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LAMELLIBRANCHIATA.

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| Barnea similis, <i>Gray.</i> | Vanganella taylori, <i>Gray.</i> |
| Pholadidea spathulata, <i>Sow.</i> | Raeta perspicua, <i>Hutton.</i> |
| Teredo antarctica, <i>Hutton.</i> | Psammobia stangeri, <i>Gray.</i> |
| Saxicava australis, <i>Lam.</i> | „ lineolata, <i>Gray.</i> |
| Panopæa zealandica, <i>Quoy.</i> | „ affinis, <i>Reeve.</i> |
| Corbula zealandica, <i>Quoy.</i> | Soletellina nitida, <i>Gray.</i> |
| Anatina tasmanica, <i>Reeve.</i> | Tellina alba, <i>Q. and G.</i> |
| Lyonsia vitrea, <i>Hutton.</i> | „ deltoidalis, <i>Desh.</i> |
| Myodora striata, <i>Quoy.</i> | „ disculus, <i>Desh.</i> |
| Chamostræa albida, <i>Lam.</i> | „ subovata, <i>Sow.</i> |
| Mactra discors, <i>Gray.</i> | Mesodesma novæ-zealandiæ, <i>Chem.</i> |
| „ scalpellum, <i>Desh.</i> | „ ovalis, <i>Desh.</i> |
| „ æquilateris, <i>Desh.</i> | „ ventricosa, <i>Gray.</i> |
| „ donaciformis, <i>Gray (?)</i> | „ spissa, <i>Reeve.</i> |
| Standella ovata, <i>Gray.</i> | Venus oblonga, <i>Hanley.</i> |
| „ elongata, <i>Q. and G.</i> | „ creba, <i>Hutton.</i> |
| „ notata, <i>Hutton.</i> | Chione lamellata, <i>Lam.</i> |
| Zenatia acinaces, <i>Q. and G.</i> | „ yatei, <i>Gray.</i> |

LAMELLIBRANCHIATA.—Continued.

Chione costata, Quoy.	Leda concinna, A. Adams.
„ mesodesma, Quoy.	Solenella australis, Q. and G.
„ stuehburys, Gray.	Mytilus magellanicus, Lam.
Callista multistriata, Sow.	„ latus, Chem.
Artemis australis, Gray.	„ edulis, L. Reeve.
„ subrosea, Gray.	„ ater, Frauenfeld.
„ lambata, Gould.	Crenella impacta, Hermann.
„ grayi, Zittel. (H.B.K.).	Modiola areolata, Gould.
Tapes intermedia, Quoy.	„ fluviatilis, Hutton.
Venerupis reflexa, Gray.	Lithodomus truncatus, Gray.
„ paupercula, Desh. (?)	(H.B.K.)
Cardium striatulum, Sow.	Pinna zealandiæ, Gray.
Lucina divaricata, Lam.	Pecten zealandiæ, Gray.
Diplodonta globularis, Lam.	„ gemmulatus, Reeve.
Kellia cycladiformis, Desh.	„ radiatus, Hutton.
Pythina stowei, Hutton.	„ vellicatus, Hutton.
Solemya parkinsoni, Smith.	Vola laticostatus, Gray.
Crassatella bellula, Adams.	Lima japonica, A. Adams.
Cardita australis, Lam.	„ angulata, Sow.
Barbatia decussata, Sow.	Anomia stowei, Hutton. (H.B.K.)
„ pusilla, Sow.	„ alectus, Gray. (H.B.K.)
Pectunculus laticostatus, Quoy.	Planunomia zealandica, Gray.
„ striatularis, Lam.	„ ione, Gray. (H.B.K.)
Nucula nitidula, A. Adams.	Ostrea edulis, L. Reeve.
„ strangei, A. Adams.	„ discoidea, Gould.
„ sulcata, A. Adams.	

BRACHIOPODA.

Waldheimia lenticularis, Desh.	Magas evansii, Davidson.
Terebratella cruenta, Dillwyn.	Bouchardia cumingii, Davidson.
„ rubicunda, Solander.	Rhynchonella nigricans, Sow.

ART. XL.—*Descriptions of new Marine Shells.* By T. W. KIRK, Assistant in the Colonial Museum.

[Read before the Wellington Philosophical Society, 21st February, 1880.]

Dentalium huttoni.

Shell white, lustrous; small, curved, rapidly tapering, ribbed, ribs unequal, about eighteen at the anterior end, but diminishing in number towards the apex.

Length, .63 inch; breadth, .1 at anterior end.

Three specimens from the stomach of a trumpeter (*Latris hecateia*).

Named after Professor Hutton, to whose exertions students of Conchology in this country are so greatly indebted.

Dentalium ecostatum.